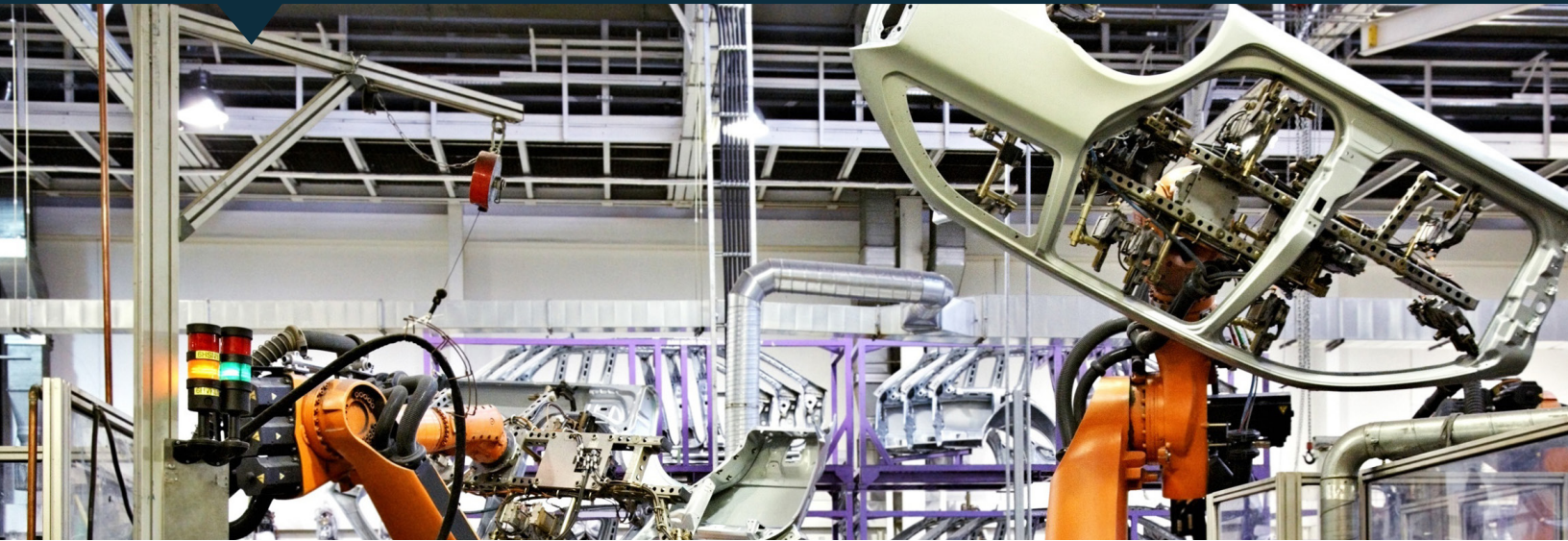# IzoT™ U60 FT DIN Network Interface

USB interface to LonTalk®/IP-FT and LON®-FT free topology twisted pair networks

Features

- Provides a USB 2.0 to LonTalk/IP-FT or LON-FT interface for any controller or device
- Compatible with the IzoT Router, Windows computers with OpenLDV 5, and with hosts implementing the IzoT Device Stack EX
- Transmit, Receive, and Service indicators
- Source code is available as a free download for a Linux-compatible driver
- Compact DIN 43880 2TE compliant enclosure
- Micro-B USB receptacle for connection to the host
- Cable included with a Micro-B USB plug and a Type A USB plug
- Powered by the 5V USB input

Description

Add a LonTalk/IP-FT or LON-FT (TP/FT-10) interface to your controller or computer. The IzoT U60 FT DIN Network Interface is a compact network interface in a DIN 43880 2TE compliant enclosure.

The U60 FT DIN Network Interface is compatible with the IzoT Router and with Windows computers with OpenLDV 5. For Windows computers, the U60 FT DIN Network Interface is compatible with the IzoT Net Server, OpenLNS Server, and LNS Server, as well as IzoT Net and LNS compatible applications such as the IzoT Commissioning Tool and LonMaker Integration Tool. The U60 FT DIN is also compatible with hosts implementing the IzoT Device Stack EX which provides source code for LonTalk/IP and native LON compatible protocol stacks.

Tx and Rx LEDs provide an indication of FT packet transmission and reception. An on-board Service LED provides an indication of the status of the U60 module. The Service status is also provided to the host via the USB interface so that the host controller can provide a network Service indicator.

The USB interface for the host is provided by a Micro-B USB receptacle and included Micro-B to Type A USB cable.

Host Interface

The interface to the host is provided via the USB interface. The host selects whether the interface is a Layer 2 or Layer 5 interface. Source code for a Linux-compatible driver is available as a free download.

Specifications

Hardware Platform

Enclosure

DIN 43880 2TE compliant

Dimensions

35mm x 89.5mm x 66.5mm (1.4" x 3.5" x 2.6") excluding the network connector

Processor

Echelon FT 6050 Smart Transceiver

Connectors

LON: Two-way push clip

USB: Micro-B female

LON Compatibility

TP/FT-10 (ISO/IEC 14908-2, EN 14908-2, and ANSI/CEA-709.3)

Link power compatible

USB Compatibility

Certified USB 2.0 compatible, compatible with USB 1.1 and high-speed USB systems, peripherals, and cables

Indicators

Service LED (amber)

LON Tx/Rx LEDs (green)

Operating Input Voltage

5VDC USB power

Operating Input Current

110mA maximum USB power

Temperature

-40°C to +70°C (operating and non-operating)

Humidity

10% to 95% RH @ 50°C

EMC

FCC Part 15 Class A compliant

EN 55022 Class A and EN 55024 compliant

CISPR 22 Class A compliant

Agency Listings

MET 60950, TUV EN 60950, CE, C-Tick

Software Platform

Interface

LonTalk/IP-FT and LON-FT (TP/FT-10) with a Layer 2 or Layer 5 interface

Driver

OpenLDV 5, or newer, driver for Windows is available as a free download from *www.echelon.com/downloads*.

Linux source code for a U60 network driver is available as a free download from *www.echelon.com/downloads*.

Documentation

U60 FT DIN Network Interface User's Guide

Documentation is available at *www.echelon.com/docs*

Ordering Information

Model 75060R-40
U60 FT DIN Network Interface